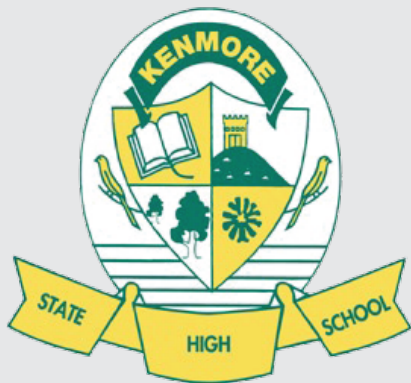


# KENMORE SHS ICE PROGRAM

---



*Education for Life*



## What is Information communication extension?

The Information Communication Extension (ICE) Program is one of Kenmore State High School's highly regarded excellence programs. The ICE program aims to foster learners who are uniquely prepared to excel in a world that is being rapidly transformed by technology.

Students in the ICE program are creative, collaborative and confident users of technology. They have a unique perspective and achieve outstanding outcomes

### Program details

- Curriculum extended with ICT rather than technology introduction in isolation.
- A focus on the skills required for high-tech, innovative professions
- 3-year program (year 7 to year 9)
- One semester-long specialised subject (ICX)

### Unique learning experiences

- Challenging learning extensions across the curriculum
- Accelerated instruction in science and maths with a focus on data collection and analysis
- A focus on communication and creativity in the online space in English
- A personalised and responsive program, that adapts to the skills and tastes of the students
- The latest in educational software and instruction
- Excursions, presentations and opportunities to develop their use and appreciation of technology in the real world
- Technology skills and concepts embedded across the curriculum
- Creation of a digital portfolio of work that reflect ISTE standards
- Real world investigation and problem solving with ICT involving local community partnerships through the ICX subject in year 9.

### Specialist teachers

Teachers are specially selected to be involved in the ICE program due to their experience in their subject area and their ability to enhance learning with technology.

### Outstanding access to technology

The school organizes the purchase and maintenance of each laptop used by ICE students. This allows us to provide fantastic support, continuity of access and discounted prices for parents.



**KENMORE SHS**  
**ICE PROGRAM**

### A globally recognised foundation

ICE is guided by the International Standards for Technology in Education:



#### Innovative Designer

Students use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions.

#### Knowledge Constructor

Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artefacts and make meaningful learning experiences for themselves and others.

#### Computational Thinker

Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.

#### Creative Communicator

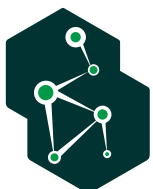
Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.

#### Global Collaborator

Students use digital tools to broaden their perspectives and enrich their learning by collaborating with others and working effectively in teams locally and globally.

#### Like to know more?

Should you have any further queries related to the ICE program at Kenmore State High, please feel free to contact our Head of eLearning - James Whittle / P 3327 1587 / E [jwhit732@eq.edu.au](mailto:jwhit732@eq.edu.au)



**KENMORE SHS**  
**ICE PROGRAM**

## Applying for ICE in 2018

In our Information Communication Extension (ICE) program, students who have an interest in technology approach the curriculum in creative and innovative ways.

There are 4 measures that we take into account for all applicants into the program

### 1. Current academic results

Students latest achievement result in Maths and English. We encourage students with a range of academic abilities to apply, but this measure helps us to determine if a student is the right fit for an extension program.

2. A 40-minute ACER General Ability test to be ideally taken on the day of the enrolment interviews

### 2. ACER General Ability test

The ACER General Ability Tests (AGAT) is a series of tests designed to assist teachers of students aged seven to sixteen years (approximately Year 2 to Year 10) in their assessment of students' general reasoning ability.

Each of the tests assesses students' reasoning skills in three areas:

1. Verbal
2. Numerical
3. Abstract (visual)

The 40-minute test can be taken on the day of the enrolment interviews

### 3. Digital application

Students applying for the ICE program are required to create a digital application in preparation for their enrolment interview. The digital application will outline the student's answer to this question:

**How will the ICE program benefit you?**

Your application may outline what overall benefits technology has in education, or why using technology benefits your individual learning style. The application could be in the form of a story, letter, or interview. You may want share some of your previous projects or hobbies to support your answer.

The digital application will be assessed on:

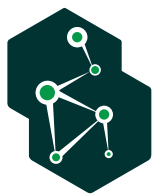
- Creative and original use of ICT
- Clarity of Communication
- How it displays your interest in technology and/or your current ICT skills

The format of your response is up to you but it must be in a digital format that can be submitted to the school at the interview (on USB or URL link). Suggested formats are:

- Video
- Online presentation platform (for example, Prezi, Animoto, Adobe Spark or Glogster). Please bring a USB that has a link to the presentation - this could be as simple as copying the link onto a Word Document.
- Slideshow

These recommendations are not meant to limit options in any way. Creativity and originality will be valued and this can be expressed in the choice of presentation format.

Please keep the application concise, i.e. 1-3 minutes in length for a video application, or 100-300 words for text-based applications. Applicants should use their own judgement for a format that combines both modes.





#### 4. Interview

In addition to the standard interview for all new enrolments, applicants for the ICE program will be asked answer the following questions:

1. Discuss your digital application:
  - a. your choice of format (video, Powerpoint etc),
  - b. the process you undertook when planning and creating the presentation,
  - c. why you chose those ideas, words, images and/or sound.
2. Could you describe a time when you've solved a problem creatively?
3. Do you have any examples of projects you're working on in your own time? Perhaps a hobby or interest? What have you done and what do you hope to achieve?
4. Could you describe a time when you've lead a team, or been part of a team that worked well? How did you contribute?



## Frequently Asked Questions

### What is the Information Communication Extension (ICE) Program?

The Information Communication Extension Program (ICE) is one of Kenmore State High School's highly regarded excellence programs. The ICE program aims to foster learners who are uniquely prepared to excel in a world that is being rapidly transformed by technology. In this new world, innovation, collaboration and communication are keys to success. ICE is guided by the International Standards for Technology in Education (ISTE):

Innovative Designer  
Knowledge Constructor  
Computational Thinker  
Creative Communicator  
Global Collaborator

The program began in 2005 with two classes and has expanded to include 130 students. In 2018 ICE will be offered as a 3-year program across Years 7-9.

### How is ICE different from mainstream 1:1 programs?

While all students at Kenmore SHS benefit from having access to laptops, ICE takes a fresh approach to curriculum by looking for opportunities to embed the ISTE standards (Innovative Designer, Knowledge Constructor, Computational Thinker, Creative Communicator, Global Collaborator) in exciting and challenging ways. Often this involves a new technology, but not always.

The introduction of 1:1 learning environments throughout the school has inspired an exciting redesign and refocus of the aims and ethos of the ICE program. This redesign is an ongoing process. While it's difficult to predict everything that your child will experience in ICE over the next 3 years, be assured that new opportunities and challenges are being introduced to the program all the time.

### Do students learn coding in ICE?

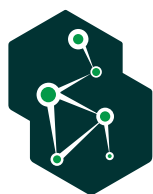
Coding skills are not specifically taught in ICE, as it is difficult to integrate them seamlessly into the curriculum. ICE focusses on embedding the ISTE standards into mainstream subjects. Coding and robotics is available to all students in the digital technologies subjects.

### Who teaches the ICE program?

Teachers are specially selected to be involved in the ICE program and are proficient in both their chosen subject areas and their ability to enhance learning with technology. Teachers are provided with the same laptop as students. ICE teachers are innovative and passionate, modelling all they expect to produce from their students.

### What is the ICX subject?

The ICE Program recognises that in order to increase the relevance of 21st century education, students should be challenged to generate and evaluate knowledge, ideas and possibilities, and use them to create new solutions. All students in the ICE program take part in the ICX project in order to enhance their capacity to do just that. The semester-long project in year 9 challenges students to grow in each of the ISTE standards by solving real-world problems using technology.



**KENMORE SHS**  
**ICE PROGRAM**

### **Do I need to live in the Kenmore SHS catchment to be accepted into the ICE Program?**

No.

### **What is the Digital Application?**

Students who are applying for the ICE program are required to create a digital application in preparation for their enrolment interview. The digital application allows students who may not be as strong in other areas to demonstrate that they have the skills and abilities that the ICE program values, namely:

- Creative and original use of ICT
- Clarity of Communication
- How it displays your interest in technology and/or your current ICT skills

Please see the beginning of this document or the enrolment handbook for more information about the enrolment process, including interview questions and ACER test

### **What is the “ACER test”?**

The ACER General Ability Tests (AGAT) is a test of general intellectual ability for students in years 2 to 10. It is designed to assist teachers in their assessment of students' learning potential and aptitude. A sample of test items is available on our website (Curriculum/ICE program/ACER test examples).

### **When and how does my child need to sit the ACER test?**

ACER tests can be sat on any of the Kenmore SHS interview dates. In most instances, families elect to sit the ACER test on the same day as their enrolment interview. Students complete the test in an online format.

### **Can my child enrol in ICE and other signature programs (e.g. Zenith, GIEP, MEX)?**

The ICE program is not compatible with either the Zenith and German Immersion Programs. An ICE / MEX combination is sometimes possible depending on numbers

### **How many ICE places are offered each year?**

We will enrol up to two classes of ICE students each year (approximately 28 - 56 students in total)

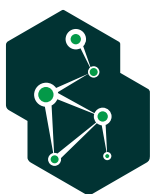
### **How much does the ICE Program cost?**

Since the ICE Program aims to provide the most up-to-date technology to students, laptop pricing is negotiated annually and varies each year. Pricing for 2017 students (which should be taken as an indication only) was:

- Laptop: \$1600 including 3-year accidental protection warranty (paid prior to commencement of year 7), carry case
- Yearly service and infrastructure fee: \$190 (invoiced Term 1 of each year of participation)

### **When will we be advised of the status of our enrolment application?**

The first round of ICE offers are typically made at the end of term 3. Subsequent offers are made throughout the remainder of the school year.





**KENMORE SHS**  
**ICE PROGRAM**

### Contact information

**Address:**

60 Aberfeldy Street, Kenmore Qld 4069

**Telephone:** (07) 3327 1555

**Facsimile:** (07) 3327 1500